ENGINEERED FIBERS TECHNOLOGY, LLC

KURARAY POLYESTER FIBERS For PAPERMAKING APPLICATIONS

General Characteristics

- Available in a Range of Deniers and Types
- Good Moisture Resistance
- Good Oil Resistance
- Improves Paper Strength (Undrawn and Bicomponent)
- Thermal Binding (Bicomponent Sheath-Core)

EXHIBIT A

KURARAY Polyester Fibers for Paper Making Applications

Subject Fibers

Type No.	Denier	Diameter (μ)	Cut length (mm)	Remarks
EP043	0.5	7	3,5	round cross-section, straight
EP053	0.85	9	5	round cross-section, straight
EP135	1.3	12	5,6,10,12,15	round cross-section, straight
EP203	1.9	14	5,10	round cross-section, straight
EP/E203	2.2	20	5,10	T-shaped cross-section, crimp
EP303	2.8	17	5,10	round cross-section, straight

UDY (undrawn yarn) Binder Fibers

Type No.	Denier	Diameter (μ)	Cut length (mm)	Remarks
EP10T	1.1	11	5	round cross-section, straight
EP20T	2.2	15	5	round cross-section, straight

Bicomponent Fibers (Copolyester / Polyester)

Type No.	Denier	Diameter (μ)	Cut length (mm)	Remarks	Cross-Section
N720	2.0	14	5,10	binder type (140 °C)	co-polyester / polyester 
N720H	2.1	15	5	binder type (130 °C)	ditto
N721	1.4	13	5	binder type (110 °C) S/C = 60/40	co-polyester / polyester 
N700	5.1	23	5	Binder type (130 °C) bonjo fiber	co-polyester 
N790	2.5	16	5	high loft, crimp	co-polyester / polyester 

All the above products are produced by Kuraray Tamashima plant, which is approved to ISO9002 quality certifications.